

**CMR1-02****CMR1-04****CMR1-06****CMR1-10****GENERAL PURPOSE RECTIFIER  
1.0 AMP, 200 THRU 1,000 VOLTS****SMB CASE**

# Central<sup>TM</sup>

Semiconductor Corp.

**FEATURES:**

- LOW COST
- HIGH RELIABILITY
- SPECIAL SELECTIONS AVAILABLE
- GLASS PASSIVATED CHIP
- SUPERIOR LOT TO LOT CONSISTENCY
- "C" BEND CONSTRUCTION PROVIDES STRAIN RELIEF WHEN MOUNTED ON PC BOARD

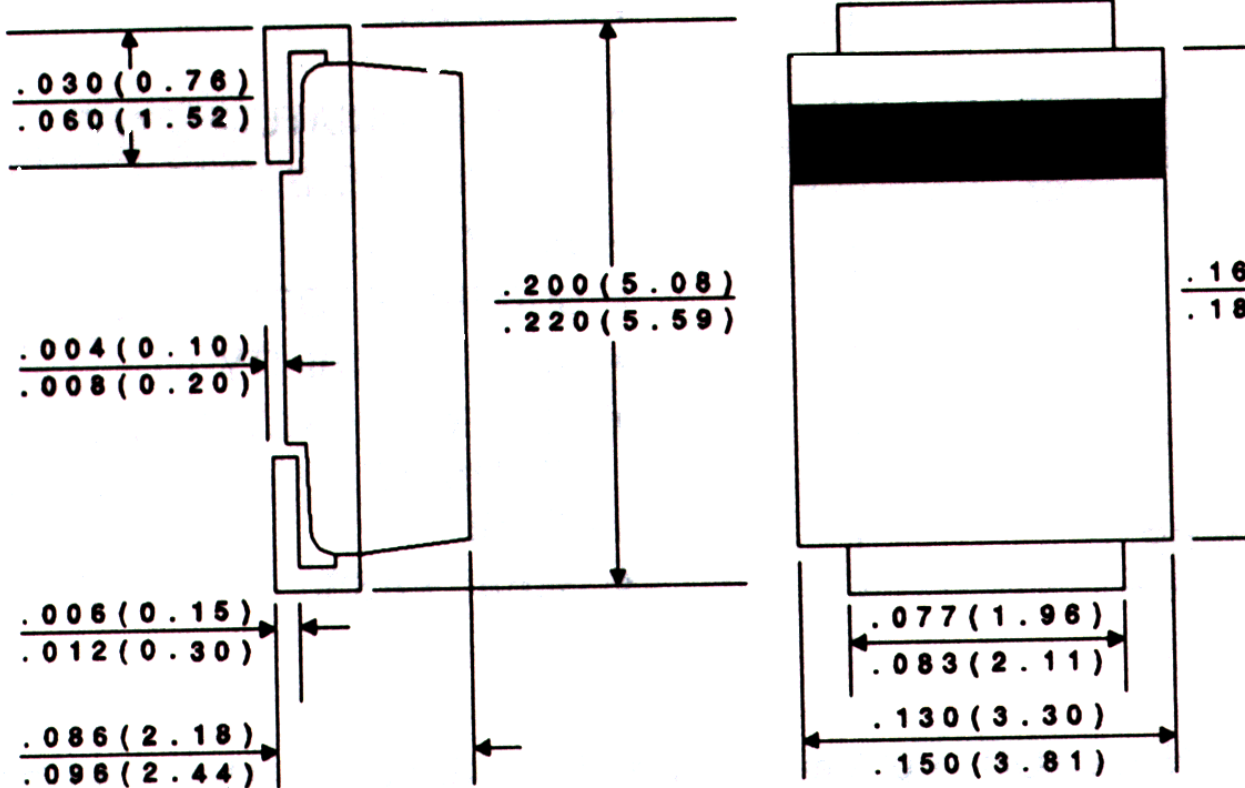
**DESCRIPTION:** The CENTRAL SEMICONDUCTOR 1.0 Amp Surface Mount Silicon Rectifier is a high quality, well constructed, highly reliable component designed for use in all types of commercial, industrial, entertainment, computer, and automotive applications. To order devices on 12mm Tape and Reel (3000/13" Reel), add TR13 suffix to part number.

**MAXIMUM RATINGS:** ( $T_A=25^{\circ}\text{C}$  unless otherwise noted)

	SYMBOL	CMR1-02	CMR1-04	CMR1-06	CMR1-10	UNITS
Peak Repetitive Reverse Voltage	$V_{RRM}$	200	400	600	1000	V
DC Blocking Voltage	$V_R$	200	400	600	1000	V
RMS Reverse Voltage	$V_{R(RMS)}$	140	280	420	700	V
Average Forward Current ( $T_A=75^{\circ}\text{C}$ )	$I_O$		1.0			A
Peak Forward Surge Current (8.3ms)	$I_{FSM}$		30			A
Operating and Storage						
Junction Temperature	$T_J, T_{stg}$		-65 to +175			$^{\circ}\text{C}$
Thermal Resistance	$\Theta_{JL}$		20			$^{\circ}\text{C/W}$

**ELECTRICAL CHARACTERISTICS:** ( $T_A=25^{\circ}\text{C}$  unless otherwise noted)

SYMBOL	TEST CONDITIONS	MIN	MAX	UNITS
$V_F$	$I_F=1.0\text{A}$		1.1	V
$I_R$	$V_R=\text{Rated } V_{RRM}$		10	$\mu\text{A}$
$I_R$	$V_R=\text{Rated } V_{RRM}, T_A=125^{\circ}\text{C}$		50	$\mu\text{A}$



### Marking Codes:

DEVICE	MARKING CODE
CMR1-02	C02
CMR1-04	C04
CMR1-06	C06
CMR1-10	C10